ABSTRACT

An oxygen-absorbing composition, device, and method for oxygen scavenging in a low moisture environment are provided. The present invention provides an oxygen absorbing composition which includes an oxygen reducing agent, water, a carrier, an electrolyte salt, and a humectant salt, which may be the same as the electrolyte salt, present in an amount sufficient to reduce the water activity of the composition to below 0.6. Also included are methods of using the composition.